

MSDS Code: 790-754

R PERMANENT RED NO. 46704; OR BPL-10 EXTERIOR TED NO. 46706

Revision date: 07/21/2000

Date Printed:

09/05/2003

NFPA Classification:

Health: 1
Flammability: 0
Instability: 0
Special Hazards:

HMIS Classification:

Health: 2 *
Flammability: 0
Reactivity: 0
Personal Protection:

* Indicates possible chronic health effects.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Chemical Name:** Universal Dispersion Of Pigments**Product Use:** Industrial pigment.

Supplier: ENGELHARD CORPORATION
APPEARANCE & PERFORMANCE TECHNOLOGIES
101 WOOD AVENUE
ISELIN, NJ 08830-0770
1-732-205-6913 FOR CUSTOMER SERVICE
1-502-775-7288 FOR ENVIRONMENT, HEALTH, AND SAFETY

For Chemical Emergency Call CHEMTREC (24 hours):
1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)
1-703-527-3887 (Outside Above Area)

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>Notes</u>
Diethylene Glycol 111-46-6	20-30	None.
Water 7732-18-5	10-20	None.
Industrial Pigment(s)	10-20	None.
Industrial Pigment(s)	10-20	None.
Ethylene Glycol 107-21-1	5-15	None.
Surfactant(s)	1-10	None.

Other Information: NOTE: The percentage by weight values reported for this product represent approximate

formulation values.

3. HAZARDS IDENTIFICATION

Color: Red
Form: Liquid
Odor: Odorless
Flash Point, °C: Nonflammable

Most Important Hazards: Prolonged or repeated exposure effects: May cause skin irritation. Chronic Overexposure Effects: Gastrointestinal system disorders. Central nervous system damage. May cause kidney damage. May result in dizziness and drowsiness. May be fatal or cause blindness if swallowed. May cause severe eye irritation.

Potential Health Effects:

Inhalation: Exposure to vapors or mists, generated at higher temperatures, may cause drowsiness and headache.

Ingestion: May cause tissue damage. May cause central nervous system effects. May cause liver and kidney damage. May be fatal or cause blindness if swallowed.

Skin Contact: Prolonged or repeated contact may cause skin irritation.

Eye Contact: Causes redness and tearing. May cause severe eye irritation.

Other Effects: NOTE: Excessive ingestion and/or inhalation of GLYCOL COMPOUNDS has caused fetal effects in laboratory animals. NOTE: Inhalation of vapor and/or mist may be significant if material is heated or agitated/sprayed.

Carcinogenicity:

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>NTP (Y/N)</u>	<u>IARC (See Notes)</u>	<u>OSHA (Y/N)</u>	<u>ACGIH (See Notes)</u>
Diethylene Glycol 111-46-6	20-30	N	N	N	N
Water 7732-18-5	10-20	N	N	N	N
Industrial Pigment(s)	10-20	N	N	N	N
Industrial Pigment(s)	10-20	N	N	N	N
Ethylene Glycol 107-21-1	5-15	N	N	N	A4
Surfactant(s)	1-10	N	N	N	N

Notes:

IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not studied or probably not carcinogenic.

ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not studied.

Chronic Health Hazards:

Refer to Potential Health Effects.

Aggravated Medical Conditions:

Kidney disorders. Liver disorders. Neurological ailments.

4. FIRST AID MEASURES

Inhalation:

Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Ingestion:

Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

Skin Contact:

Flush skin with large amounts of water. If irritation persists, get medical attention.

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point, °C:

Nonflammable

Autoignition Temperature, °C:

Not Determined

Lower Explosive Limit, %:

Not Determined

Upper Explosive Limit, %:

Not Determined

Extinguishing Media:

Water. Carbon dioxide. Foam.

Fire Fighting Procedures:

Positive pressure, self-contained breathing apparatus. Wear full protective clothing.

Unusual Fire and Explosion Hazards:

Not a fire or explosion hazard. Toxic vapors are emitted in a fire condition.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Contain spillage. Neutralize with sodium bicarbonate, soda ash or lime. Soak up spill using an absorbent. Scoop into a suitable container.

7. HANDLING AND STORAGE

Keep container closed.

Keep from freezing.
Wash thoroughly after handling.
Avoid breathing mist.
Avoid contact with eyes, skin and clothing.
Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Diethylene Glycol 111-46-6	20-30	None Established	None Established
Water 7732-18-5	10-20	None Established	None Established
Industrial Pigment(s)	10-20	15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable dust)	10 mg/m ³
Industrial Pigment(s)	10-20	None Established	None Established
Ethylene Glycol 107-21-1	5-15	50 ppm Ceiling	39.4 ppm Ceiling
Surfactant(s)	1-10	None Established	None Established

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 2002 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, June 30, 1993.

PEL TLV Notes: NOTE: Ingredient(s) are in a liquid phase. Not all exposure values may be applicable. Not expected to present an inhalation hazard.

Personal Protective Equipment: Safety glasses with side shields. Rubber or neoprene gloves.

Respiratory Protection: Use approved respiratory protection if exposure limits are exceeded, or overexposure is likely.

Ventilation: General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Color: Red
Odor: Odorless

Vapor Pressure: **Max:** 17.5mm Hg (20 °C)
Specific Gravity: **Min:** 1

Evaporation Rate: Much < 1
Solubility (in water): Dispersible
pH: Min: 8 Max: 10

10. STABILITY AND REACTIVITY

Stability Data: Stable

Conditions/Hazards to Avoid: None anticipated

Incompatibility (Materials to Avoid): None anticipated.

Hazardous Decomposition Products: Oxides of carbon.

Polymerization: None anticipated.

Polymerization - Avoid: None anticipated.

11. TOXICOLOGICAL INFORMATION

Information on Product:

Information on Components:

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>Acute Toxicity - Oral</u>	<u>Acute Toxicity - Inhalation</u>	<u>Acute Toxicity - Dermal</u>	<u>Acute Toxicity - Other</u>
Diethylene Glycol 111-46-6	20-30	21,000 mg (rat)	Not Available	Not Available	Not Available
Water 7732-18-5	10-20	Not Available	Not Available	Not Available	Not Available
Industrial Pigment(s)	10-20	6,450 mg/kg (rat)	Not Available	Not Available	Not Available
Industrial Pigment(s)	10-20	> 5,000 mg/kg (rat)	Not Available	Not Available	Not Available
Ethylene Glycol 107-21-1	5-15	5,500 mg/kg (child)	Not Available	Not Available	Not Available
Surfactant(s)	1-10	Not Available	Not Available	Not Available	Not Available

12. ECOLOGICAL INFORMATION

Information on Product:

Environmental Fate: No data available.

Ecotoxicological Information: No data available.

13. DISPOSAL CONSIDERATIONS

US EPA Waste Number: Not Regulated

Disposal of Waste Method: Local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary

by location and the type of disposal selected. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

14. TRANSPORT INFORMATION

International Transport Regulations:

UN/PIN Number: Not Regulated

US Transportation Regulations:

DOT Classification: Not Regulated

Canadian Transportation of Dangerous Goods (TDG):

TDG Classification: Not Regulated

15. REGULATORY INFORMATION

International Inventories:

United States: This product or its ingredients are listed on or compliant with the TSCA Inventory.

Canada: Not Determined

Europe: Not Determined

Japan: Not Determined

Australia: Not Determined

Korea: Not Determined

US Federal Regulations:

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>Subject to SARA 313 Reporting</u>
Diethylene Glycol 111-46-6	20-30	No
Water 7732-18-5	10-20	No
Industrial Pigment(s)	10-20	No
Industrial Pigment(s)	10-20	No
Ethylene Glycol 107-21-1	5-15	Yes
Surfactant(s)	1-10	No

SARA 311/ 312 Hazard Categories:

Acute Health Hazard Chronic Health Hazard

CAA 602 Ozone Depleting Substances (ODS):

This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

VOC Content: 430 g/L

US State Regulations:

VOC Content (CARB): 550 g/L

Canadian Regulations:

WHMIS Classification:

Not Determined

16. OTHER INFORMATION

Revision number: 3

Prepared By: Engelhard Corporate Environmental Health & Safety Group

The information in this Material Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for persons working with or handling this product. The information presented in the MSDS is premised upon proper handling and anticipated uses, and is for the material without chemical additions/alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is. Additionally, if this Material Safety Data Sheet is more than three years old, please contact the supplier at the phone number listed in Section 1 to make certain that this sheet is current. Copyright Engelhard Corporation. License granted to make unlimited copies for internal use only. End of MSDS.....